

Converting Colors

XYZ(64.6045, 62.8234, 25.6434)

Have a look what the booklet for
XYZ(64.6045, 62.8234, 25.6434)
contains.

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Color

**XYZ(64.6450, 62.9325,
25.5697)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC675
RGB	255, 198, 117
RGB Percent	100%, 78%, 46%
CMY	0.0000, 0.2235, 0.5412
CMYK	0.00, 0.22, 0.54, 0.00
HSL	35°, 100%, 73%
HSV	35°, 54%, 100%
XYZ	64.6450, 62.9325, 25.5697
YIQ	205.8090, 59.9730, -13.1070

Conversions

Conversions Part 2

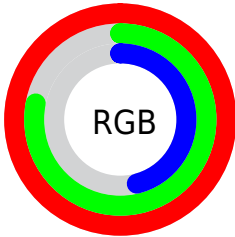
Format	Color
R _Y B	214, 255, 117
Decimal	16762485
CIE Lab	83.41, 11.23, 48.00
CIE LCh	83, 49.297, 76.827
Yxy	62.9325, 0.4221, 0.4109
Android (android.graphics.Color)	4294952565 (0xFFFFC675)
YUV	205.8090, -43.7828, 43.1405
Hunter-Lab	79.3300, 6.6298, 36.4206

Details

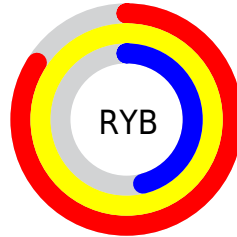
The XYZ color **64.6450, 62.9325, 25.5697** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.5216, 41.2725, 100.4381**, and the grayscale version is **58.7898, 61.8514, 67.3562**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **33.4623, 31.9420, 9.5560** is the 20% darker color. If you saturate the color by 10%, you get **61.0212, 57.7665, 17.9455**, and if you desaturate by 10%, it is **68.8475, 68.6027, 35.4024**.

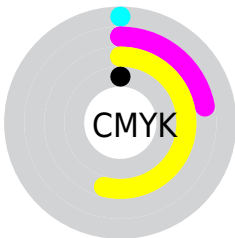
Distribution



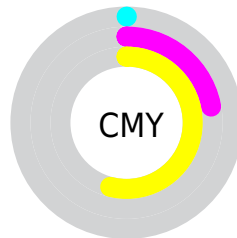
- Red (100%)
- Green (78%)
- Blue (46%)



- Red (84%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (22%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6450, 62.9325, 25.5697 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 64.6450, 62.9325, 25.5697 by changing the saturation by 10% instead.

64.6450, 62.9325,
25.5697

64.6450, 62.9325,
25.5697

431.0806,
435.3245, 294.2013

47.4369, 45.7866,
16.2791

110.6079,
109.0721, 53.5555

33.5906, 32.0775,
9.5654

140.0934,
138.8346, 73.0878

22.7406, 21.4207,
5.0100

174.4020,
173.5715, 96.8711

14.5218, 13.4318,
2.1943

213.8993,
213.6671, 125.3239

8.5686, 7.7266,
0.6711

258.9504,
259.5057, 158.8648

4.5157, 3.9205,
0.0000

309.9207,

1.9978, 1.6292,

311.4720, 197.9123

0.0000

367.1757,
369.9501, 242.8849

■ 0.6327, 0.3772,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.6450, 62.9325,
25.5697

■ 64.6450, 62.9325,
25.5697

■ 61.0212, 57.7665,
17.9455

■ 68.8475, 68.6027,
35.4024

■ 57.9343, 53.0753,
12.3457

■ 73.6577, 74.7866,
47.6001

■ 55.3427, 48.8391,
8.5626

■ 79.1076, 81.5046,
62.3090

■ 53.1945, 45.0313,
6.3403

■ 85.2256, 88.7729,
79.6625

■ 52.0959, 42.9720,
5.5487

■ 92.0378, 96.6069,
99.7845

95.0499, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0825, 62.9325, 33.8148



64.6450, 62.9325, 25.5697



54.0359, 62.9325, 26.0787

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.6450, 62.9325, 25.5697



42.1502, 62.9325, 87.1033



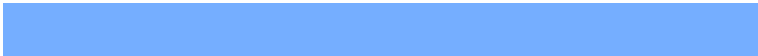
76.1706, 62.9325, 117.4620

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.6450, 62.9325, 25.5697



40.5216, 41.2725, 100.4381

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.9931, 62.9325, 142.1300



64.6450, 62.9325, 25.5697



46.7724, 62.9325, 121.3210

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6450, 62.9325, 25.5697



41.8811, 62.9325, 55.9117



55.2326, 62.9325, 143.7226



82.2537, 62.9325, 82.9004

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.6450, 62.9325, 25.5697



48.2744, 62.9325, 31.2545



55.2326, 62.9325, 143.7226



73.0633, 62.9325, 127.5843

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.6465, 62.9355, 25.5709



84.0213, 87.3614, 76.1864



55.2904, 37.0587, 44.5400



17.7082, 18.3736, 15.5176



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6465, 62.9355, 25.5709



60.7276, 57.3334, 17.3721



76.1058, 91.9479, 30.5669



18.8955, 19.7592, 18.9623



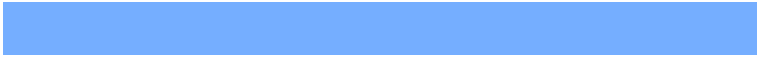
27.3721, 22.7554, 2.9496



2.7729, 2.4311, 0.3231

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.5216, 41.2725, 100.4381



34.3705, 33.7094, 99.3028



33.3894, 24.5714, 97.5904



17.6192, 18.6100, 22.9134



12.2265, 9.3626, 50.5973



1.2950, 1.1208, 4.9613

Previews

White Background



This preview shows how the XYZ color 64.6450, 62.9325, 25.5697 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 64.6450, 62.9325, 25.5697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6450, 62.9325, 25.5697

Background



This preview shows how black text looks on a background with the XYZ color 64.6450, 62.9325, 25.5697.



This preview shows how white text looks on a background with the XYZ color 64.6450, 62.9325,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.6450, 62.9325, 25.5697

Protanopia

58.0020, 62.9862, 27.1897

Deuteranopia

64.2780, 62.7434, 25.5525



Tritanopia

70.6503, 62.8334, 64.9043

Trichromacy



Original Color

64.6450, 62.9325, 25.5697

Protanomaly

60.2429, 62.7189, 26.7001

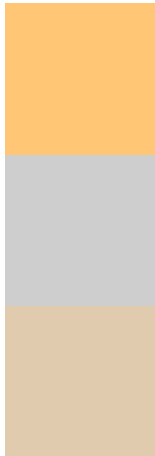
Deuteranomaly

64.2780, 62.7434, 25.5525

Tritanomaly

67.9782, 62.8221, 47.5728

Monochromacy



Original Color

64.6450, 62.9325, 25.5697

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

59.7364, 61.6152, 48.7889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6450, 62.9325, 25.5697 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 198, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 117)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 198, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 117) }
```

Border

The CSS property to change the border of an element to XYZ 64.6450, 62.9325, 25.5697 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 198, 117) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 198, 117) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 198, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6450, 62.9325, 25.5697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 117) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
198, 117) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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